

#### 5. REFERENCES CITED

Chapter 5

- Adams, T.A. and K. Sullivan. 1990. The Physics of Forest Stream Heating: a Simple Model. Timber-Fish-Wildlife Report No. TFW-WQ3-90-007, Washington State Department of Natural Resources, Olympia, Washington.
- Agee, J.K. 1988. Successional Dynamics in Forest Riparian Zones. Pages 31-43 *In*: Streamside Management: Riparian Wildlife and Forestry Interactions. University of Washington Institute of Forest Resources Contribution Number 59.
- Agee, J.K. 1993. Fire Ecology of Pacific Northwest Forests. Washington, DC: Island Press. 493 pages.
- Anderson, D.R. and K.P. Burnham. 1992. Demographic Analysis of Northern Spotted Owl Populations. Pages 319-328 *In*: U.S. Department of the Interior. Recovery Plan for the Northern Spotted Owl Draft. Appendix C. U.S. Department of the Interior, Fish and Wildlife Service, Portland, Oregon.
- Aubry, K.B., J.G. Hallett, S.D. West, M.A. O'Connell, and D.A. Manuwal. 1997. Wildlife Use of Managed Forests—A Landscape Perspective: Executive Summaries and Introduction and Technical Approach. Volume 1, Final Report TFW-WL4-98, Washington State Department of Natural Resources, Olympia, Washington.
- Bahls, P. and M. Ereth. 1994. Stream Typing Error in Washington Water Type Maps for Watersheds of Hood Canal and the Southwest Olympic Peninsula. Point No Point Treaty Council Technical Report TR-2.
- Bailey, J.D. and J.C. Tappeiner. 1998. Effects of Thinning on Structural Development in 40- to 100-year-old Douglas-fir Stands in Western Oregon. Forest Ecology and Management 108: 99-113.
- Bare, B.B., B.R. Lippke, Weihuan Xu, C. D. Oliver, J. Moffett, and T.R. Waggner. 1997.

  Demonstration of Trust Impacts from Management Alternatives to Achieve Habitat
  Conservation Plan Goals on Washington State Department of Natural Resources
  Managed Lands. College of Forestry, University of Washington, Seattle,
  Washington 90195-2100. 60 pages plus appendices.
- Bart, J. 1995. Amount of Suitable Habitat and Viability of Northern Spotted Owls. Conservation Biology. Volume 9, No. 4, pages 943–946.
- Beschta, R.L. and J. R. Boyle. 1995. Cumulative Effects of Forest Practices in Oregon: Literature and Synthesis. Corvallis, Oregon, Oregon State University.

Draft EIS 5-1 References Cited



- Beschta, R.L., R.E. Bilby, G.W. Brown, L.B. Holtby, and T.D. Hofstra. 1987. Stream Temperature and Aquatic Habitat: Fisheries and Forestry Interactions. Pages 191-232 *In:* Streamside Management: Forestry and Fishery Interactions. Salo, E.O. and T.W. Cundy (eds.). Institute of Forest Resources, University of Washington, Seattle.
- Bilby, R.E. 1979. The Function and Distribution of Organic Debris Dams in Forest Stream Ecosystems. Ithaca, New York, Cornell University.
- Bilby, R.E. and J.W. Ward. 1989. Changes in Characteristics and Function of Woody Debris with Increasing Size of Streams in Western Washington. Transactions of the American Fisheries Society 118: 368-378.
- Bilby, R.E. and J.W. Ward. 1991. Characteristics and Function of Large Woody Debris in Streams Draining Old-growth, Clear-cut, and Second-growth Forests in Southwestern Washington. Canadian Journal of Fish and Aquatic Sciences 48: 2499-2508.
- Bilby, R.E. and L.J. Wasserman. 1989. Forest Practices and Riparian Management in Washington State: Data Based Regulation Development. Pages 87-94 *In*: R.E. Gresswell, B.S. Barton, and J.L. Kershner, eds. Practical Approaches to Riparian Resource Management. U.S. Department of the Interior, Bureau of Land Management, Billings, Montana.
- Bilby, R.E., B.R. Fransen, and P.A. Bisson. 1996. Incorporation of Nitrogen and Carbon from Spawning Coho Salmon into the Trophic System of Small Streams: Evidence from Stable Isotopes. Canadian Journal of Fish and Aquatic Sciences 53: 164-173.
- Binkley, C.S., M.J. Apps, R.K. Dixon, P.E. Kauppi, and L.O. Nilsson. 1997. Sequestering Carbon in Natural Forests. Critical Reviews in Environmental Science and Technology. 27:S23-S45.
- Bisson, P.A. 1988. Final Report, 1998 Weyerhaeuser Forest Fertilization/Water Quality Monitoring Studies: Forks Creek, Ryderwood, Silver Lake. Weyerhaeuser Company Technology Center. Tacoma, Washington. 26 pages.
- Bisson, P.A., R.E. Bilby, M.D. Bryant, C.A. Dolloff, G.B. Grette, R.A. House, M.L. Murphy, K.V. Koski, and J.R. Sedell. 1987. Large Woody Debris in Forested Streams in the Pacific Northwest: Past, Present, and Future. Streamside Management: Forestry and Fishery Interactions. University of Washington, College of Forest Research: 143-190, Seattle, Washington.
- Bjornn, T.C. and D.W. Reiser. 1991. Habitat Requirements of Salmonids in Streams. *In*: Meehan, W.R. (ed), Pages 83 138. Influences of Forest and Rangeland Management on Salmonid Fishes and Their Habitats. American Fisheries Society Special Publication 19.
- Boelter, D.H. and G.E. Close. 1974. Pipelines in Forested Wetlands. Journal of Forestry 72: 561.

References Cited 5-2 Draft EIS



- Bogert, G.T. 1987. Trusts. Practitioner's Edition, 6th ed. West Publications, St. Paul, Minnesota. 950 pages.
- Brazier, J.R. and G.W. Brown. 1973. Pages 1-9 *In:* Buffer Strips for Stream Temperature Control. Oregon State University, Corvallis, Oregon.
- Brown, F.W. (editor). 1985. Management of Wildlife and Fish Habitats in Forest of Western Oregon and Washington. Portland, Oregon: U.S. Department of Agriculture, Forest Service, Pacific Northwest Region. 2 Volumes.
- Brown, G.W. 1983. Forestry and Water Quality. Corvallis, Oregon. Oregon State University. Book Stores, Inc. 142 pages.
- Burger, A.J. and D.L. Kelting. 1998. Soil Quality Monitoring for Assessing Sustainable Forest Management. Page 17–52. *In*: M.B. Adams et al. (ed.), The Contribution of Soil Science to the Development of and Implementation of Criteria and Indicators of Sustainable Forest Management. Soil Science Society of America Special Publication Number 53. SSSA, Madison, Wisconsin.
- Burnham, K., D.R. Anderson, and G.C. White. 1994. Estimation of Vital Rates of the Northern Spotted Owl. Appendix J, Part 1 *In:* Final Supplemental Environmental Impact Statement on Management of Habitat for Late-successional and Old-growth Forest Related Species Within the Range of the Northern Spotted Owl. U.S. Forest Service and Bureau of Land Management, Portland, Oregon.
- Cadenasso, M.L., M.M. Traynor, and S.T.A. Pickett. 1997. Functional Location of Forest Edges: Gradients of Multiple Physical Factors. Canadian Journal of Forest Research 27:774-782.
- Carey, A.B. 1998. Ecological Foundations of Biodiversity: Lessons from Natural and Managed Forests of the Pacific Northwest. Northwest Science, Volume 72, Special Issue No. 2, pages 127-133.
- Carey, A.B. and R.O. Curtis. 1996. Conservation of Biodiversity: A Useful Paradigm for Forest Ecosystem Management. Wildlife Society Bulletin 24(4): 610-620.
- Carey, A.B., C.E. Elliott, B.R. Lippke, J. Sessions, C.J. Chambers, C.D. Oliver, J.F. Franklin, and M.G. Raphael. 1996. Washington Forest Landscape Management Project—A Pragmatic, Ecological Approach to Small Landscape Management. Report No. 2. USDA Forest Service, Washington State Department of Fish and Wildlife and Washington State Department of Natural Resources, Olympia, Washington. 99 pages.
- Cline, C. 1973. The Effects of Forest Fertilization on the Tahuya River, Kitsap Peninsula, Washington. Washington State Department of Ecology. 55 pages.
- Cook, J.G., L.L. Irwin, L.D. Bryant, R.A. Riggs, and J.W. Thomas. 1998. Relations of Forest Cover and Condition of Elk: A Test of the Thermal Cover Hypothesis in Summer and Winter. Wildlife Monographs No. 141, pages 1 61.

Draft EIS 5-3 References Cited



## Chapter 5\_

- County of Skamania v. State 102 Wn.2d 127, 685 P.2d 576. Washington State Attorney General Opinion 1996-11.
- Crisafulli, C.M. 1999. Survey Protocol for Larch Mountain Salamander (*Plethodon larselli*). Pages 253-310 *In:* Olson, D.H., editor. Survey Protocols for Amphibians Under the Survey and Manage Provision of the Northwest Forest Plan. USDA Forest Service, Pacific Northwest Research Station, Corvallis, Oregon.
- Cummins, K.D. 1994. Status and Future of Salmon of Western Oregon and Northern California: Management of the Riparian Zone for the Conservation and Production of Salmon (Draft). Santa Barbara, The Center for the Study of the Environment: 55.
- Cummins, K.W. 1974. Structure and Function of Stream Ecosystems. BioScience 24: 631-641.
- Curtis, R.O. 1982. A Simple Index of Stand Density for Douglas-fir. Forest Science 28(1): 92-94.
- Dawley, E.M., R.D. Legerwood, T.H. Blahm, C.W. Sims, J.T. Durkin, R.A. Kirn, A.E. Rankis, G.E. Monan, and F.J. Ossiander. 1986. Migrational Characteristics, Biological Observations, and Relative Survival of Juvenile Salmonids Entering the Columbia River Estuary, 1966-1983. Final Report to Bonneville Power Administration, Northwest and Alaska Fisheries Center, National Marine Fisheries Service, Seattle, Washington.
- Drew, T.J. and J.W. Flewelling. 1979. Stand Density Management: an Alternative Approach and its Application to Douglas-fir Plantations. Forest Science 25(3): 518-532.
- Forest Ecosystem Management Assessment Team (FEMAT). 1993. Forest Ecosystem Management: An Ecological, Economic, and Social Assessment. Section V: Aquatic Ecosystem Assessment. 190 pages.
- Forsman, E.D. and B. Biswell. 2003. Demographic Characteristics of Northern Spotted Owls (*Strix occidentalis*) on the Olympic Peninsula Study Area, Washington, 1987 2002. Unpublished report. USDA Forest Service Pacific Northwest Research Station, Olympia, Washington. 14 pages.
- Franklin, A.B., K.P. Burnham, G.C. White, R.J. Anthony, E.D. Forsman, C. Schwarz, J.D. Nichols, and J. Hines. 1999. Range-wide Status and Trends in Northern Spotted Owl Populations. U.S. Geological Survey, Biological Resources Division, Oregon State University Cooperative Fish and Wildlife Research Unit. Corvallis, Oregon. 71 pages.
- Franklin, J.F. and T.A Spies. 1991. Composition, Function, and Structure of Old-Growth Douglas-Fir Forests in Wildlife and Vegetation of Unmanaged Douglas Fir Forests. General Technical Report PNW-GTR-285. Pacific Northwest Research



- Station, USDA Forest Service. May 1991. Available online: http://www.fs.fed.us/pnw/pubs/gtr285 and accessed October 5, 2003.
- Franklin, J.F., K. Cromack, Jr., W. Denison, A. McKee, C. Maser, J. Sedell, F. Swanson, and G. Juday. 1981. Ecological Characteristics of Old-Growth Douglas-Fir Forests. General Technical Report PNW-118. Pacific Northwest Forest and Range Experiment Station. USDA Forest Service.
- Franklin, J.F., T.A Spies, R. Van Pelt, A.B. Carey, D.A. Thornburgh, D.R. Berg, D.B. Lindenmayer, M.E. Harmon, W.S. Keeton, D.C. Shaw, K. Bible, and J.Q. Chen. 2002. Disturbances and Structural Development of Natural Forest Ecosystems with Silvicultural Implications, Using Douglas-fir Forests as an Example. Forest Ecology and Management 155: 399-423.
- Franklin, J.F. and C.T. Dyrness. 1988. Natural Vegetation of Oregon and Washington. Corvallis, Oregon: Oregon Stage University Press. 452 pages.
- Gregory, R.S. and C.D. Levings. 1998. Turbidity Reduces Predation on Migrating Juvenile Pacific Salmon. Transactions of the American Fisheries Society 127: 275-285.
- Gregory, S.V. and P.A. Bisson. 1997. Degradation and Loss of Anadromous Salmonid Habitat in the Pacific Northwest. *In:* Pacific Salmon and Their Ecosystems-Status and Future Options. Edited by D.J. Stroud, P.A. Bisson, and R.J. Naiman. Pages 277 314.
- Gregory, S.V., F.J. Swanson, W.A. McKee, and K.W. Cummins. 1991. An Ecosystem Perspective of Riparian Zones: Focus on Links Between Land and Water. BioScience 41: 540-551.
- Gregory, S.V., G.A. Lamberti, D.C. Erman, K.V. Koski, M.L. Murphy, and J.R. Sedell.
  1987. Influence of Forest Practices on Aquatic Production. *In*: Salo, E.O and T.W.
  Cundy (eds), Pages 143-190. Streamside Management: Forestry and Fishery
  Interactions. University of Washington Institute of Forest Resources Contribution
  No. 57.
- Grette, G.B. 1985. The Role of Large Organic Debris in Juvenile Salmonid Rearing Habitat in Small Streams. School of Fisheries. Seattle, University of Washington: 105 pages.
- Grigal, D.F. and Brooks, K.N. 1997. Forest Management Impacts on Undrained Peatlands. *In:* Trettin C.C, Jurgensen, M.F., Grigal, D.F., Gale, M.R., Jeglum, J.K. Pages 369-383. Northern Forested Wetlands: Ecology and Management. CRC Press, Inc., Boca Raton, Florida. 486 pages.
- Harmon, M.E. 2001. Carbon Sequestration in Forests: Addressing the Scale Question. Journal of Forestry 99(4):24-29.
- Haswell, W.T. 2000. Techniques for Estimating Forest Carbon. Journal of Forestry. 98(9):Focus 1-3.



## Chapter 5\_

- Hebert Research, Inc. 2003. Washington State Non-highway and Off-road Vehicle Activities Fuel Use Survey. Report Prepared for Interagency Committee for Outdoor Recreation. February. Available online at: http://www.iac.wa.gov/iac/docs.htm.
- Heifetz, J., M.L. Murphy, and K.V. Koski. 1986. Effects of Logging on Winter Habitat of Juvenile Salmonids in Alaska Streams. North American Journal of Fisheries Management 6: 52-58.
- Helms, J.A., ed. 1988. The Dictionary of Forestry. The Society of American Foresters. 210 pages.
- Heninger, R., W. Scott, A. Dobkowski, R. Miller, H. Anderson, and S. Duke. 2002. Soil Disturbance and 10-year Growth Response of Coast Douglas-fir on Nontilled and Tilled Skid Trails in the Oregon Cascades. Canadian Journal of Forest Research 32: 233-246.
- Hicks, B.J., J.D. Hall, P.A. Bisson, and J.R. Sedell. 1991. Responses of Salmonids to Habitat Changes. *In*: W.R. Meehan, editor, Influences of Forest and Rangeland Management. American Fisheries Society Special Publication 19:483-518.
- IMST (Independent Multidisciplinary Science Team). 1999. Recovery of Wild Salmonids in Western Oregon Forests: Oregon Forest Practices Rules and the Measures in the Oregon Plan for Salmon and Watersheds. Salem, Oregon, Governor's Natural Resources Office.
- Interagency Committee for Outdoor Recreation. 2002. An Assessment of Outdoor Recreation in Washington State. A State Comprehensive Outdoor Recreation Planning (SCORP) Document 2002-2005. October. Available online at: http://www.iac.wa.gov/iac/docs.htm.
- Interagency Committee for Outdoor Recreation. 2003. Estimates of Future Participation in Outdoor Recreation in Washington State. Salmon Recovery Board. March. Available online at: http://www.iac.wa.gov/iac/docs.htm.
- Jenkins. K.J. and E.E. Starkey. 1990. Influences of Adjacent Forest Management Activities on Migratory Elk of Mount Rainier National Park. CPSU/OSU 90-3, Cooperative Park Studies Unit, Oregon State University, Corvallis, Oregon. 70 pages.
- Johnson, D.H. and T.A. O'Neil, Managing Directors. 2001. Wildlife-habitat Relationships in Oregon and Washington. Oregon State University Press, Corvallis, Oregon. 736 pages plus appendices and CD-ROM.
- Keller, E.A., and F.J. Swanson. 1979. Effects of Large Organic Material on Channel Form and Fluvial Processes. Earth Surface Processes 4: 361-380.
- Lewis, J.C. and D.W. Stinson. 1998. Washington State Status Report for the Fisher. Washington State Department of Fish and Wildlife, Olympia, Washington. 64 pages.

References Cited 5-6 Draft EIS



- Lisle, T.E. 1986. Effects of Woody Debris on Anadromous Salmonid Habitat, Prince of Wales Island, Southeast Alaska. North American Journal of Fisheries Management 7: 18-33.
- Lynch, J.A., E.S. Corbett, and K. Mussallem. 1985. Best Management Practices for Controlling Nonpoint-source Pollution of Forested Watersheds. Journal of Soil Conservation 40: 164-167.
- Madej, M.A. 1982. Sediment Transport and Channel Changes in an Aggrading Stream in the Puget Lowland, Washington. Pages 97–108 *In*: Swanson et al. (eds.) Sediment Budgets and Routing in Forested Drainage Basins. U.S. Forest Service General Technical Report PNW-141.
- Marcus, W.D., M.K. Young, L.E. Noel, and B.A. Mullan. 1990. Salmonid-Habitat Relationships in the Western United States: A Review and Indexed Bibliography. Tech. Rpt. RM-188. USDA Forest Service, Rocky Mountain Forest and Range Experiment Station, Fort Collins, Colorado.
- Martin, D.J. and M.E. Robinson. 1998. The Effectiveness of Riparian Buffer Zones for Protection of Salmonid Habitat in Alaska Coastal Streams. Sealaska Corporation and the Alaska Forest Association. Juneau, Alaska.
- Maser, C. and J.R. Sedell. 1994. From the Forest to the Sea, the Ecology of Wood in Streams, Rivers, Estuaries, and Oceans. St. Lucie Press, Delray Beach, Florida. 200 pages.
- McAllister, K.R. and W.P. Leonard. 1997. Washington State Status Report for the Oregon Spotted Frog. Washington State Department of Fish and Wildlife, Olympia. 38 pages.
- McCall, M. 1970. The Effects of Aerial Forest Fertilization on Water Quality for Two Streams in the Capitol Forest. October. 20 pages.
- McDade, M.H., F.J. Swanson, W.A. McKee, J.F. Franklin, and J. Van Sickle. 1990. Source Distances for Coarse Woody Debris Entering Small Streams in Western Oregon and Washington. Canadian Journal of Forest Research 20:326-330.
- McPherson, E.G., and J.R. Simpson. 1999. Carbon Dioxide Reduction through Urban Forestry: Guidelines for Professional and Volunteer Tree Planters. General Technical Report. PSW-GTR-171, Pacific Southwest Research Station, Albany, California.
- Miller, R.E., J.R Boyle, and others. 1992. Fertilizers and Other Means to Maintain Long-term Productivity of Western Forests. *In:* Forest Fertilization: Sustaining and Improving Nutrition and Growth of Western Forests. Institute of Forest Resources Contribution Number 73, Chapter 18. University of Washington, Seattle: H.N. Chappell, G.F. Weetmand, and R.E. Miller, eds.

Draft EIS 5-7 References Cited



#### Chapter 5 \_

- Mobbs, M.W. and B.C. Jones. 1995. Riparian Management Zone Project Report. Quinault Indian Nation. Department of Natural Resources, Division of Environmental Protection.
- Moore, D.G. 1974. Impact of Forest Fertilization on Water Quality in the Douglas-fir Region—a Summary of Monitoring Studies. Pages 209-219 *In*: Proceedings, 1974 National Convention, Society of American Foresters, New York City, September 22–26.
- Moring, J.R. 1975. The Alsea Watershed Study: Effects of Logging on the Aquatic Resources of Three Headwater Streams of the Alsea River, Oregon. Oregon Department of Fish and Wildlife, Fishery Research Report 9, Corvallis, Oregon.
- Murphy, M.L. 1995. Forestry Impacts on Freshwater Habitat of Anadromous Salmonids in the Pacific Northwest and Alaska—Requirements for Protection and Restoration. NOAA Coastal Ocean Program. Decision Analysis Series No. 7. 156 pages.
- Murphy, M.L. and W.R. Meehan. 1991. Stream Ecosystems. *In*: Meehan, W.R. (ed), Pages 17-46. Influences of Forest and Rangeland Management on Salmonid Fishes and Their Habitats. American Fisheries Society Special Publication 19.
- Murphy, M.L. and K.V. Koski. 1989. Input and Depletion of Woody Debris in Alaska Streams and Implication for Streamside Management. North American Journal of Fisheries Management 9: 427-436.
- Murphy, M.L., H. Heifetz, S.W. Johnson, K.V. Koski, and J.F. Thedinga. 1986. Effects of Clearcut Logging With and Without Buffer Strips on Juvenile Salmonids in Alaskan Streams. Canadian Journal of Fish and Aquatic Sciences 42: 1521-1533.
- Naiman, R.J., T.J. Beechie, L.E. Benda, D.R. Berg, P.A. Bisson, L.H. MacDonald, M.D.
   O'Connor, P.L. Olson, and E.A. Steel. 1992. Fundamental Elements of
   Ecologically Healthy Watersheds in the Pacific Northwest Coastal Ecoregion.
   Pages 127–188 *In:* Naiman, R.J. ed, Watershed Management. Springer-Verlag,
   New York.
- National Marine Fisheries Service. 1996. Making Endangered Species Act
  Determinations of Effect for Individual or Grouped Action at the Watershed Scale.
- National Oceanic and Atmospheric Administration Fisheries Service (NOAA Fisheries). 2003a. Pacific Salmon Status Reviews. Available online at: http://www.nwr.noaa.gov/1salmon/salmesa/pubs.htm.
- National Oceanic and Atmospheric Administration Fisheries Service (NOAA Fisheries). 2003b. NOAA Fisheries-led Group Forecasts Strong Returns of Key Northwest Salmon Runs in 2003. NOAA Fisheries New Release. March 21, 2003.
- OFPACSW (Oregon Forest Practices Advisory Committee on Salmon and Watersheds). 2000. Draft Report. Oregon Department of Forestry. URL: http://www.odf.state.or.us/FP/ FPAC/ TOC.html.

References Cited 5-8 Draft EIS



- Oliver, C.D. and B.C. Larson. 1996. Forest Stand Dynamics (Updated Edition). New York, New York: John Wiley & Sons, Inc. 530 pages.
- Omernik, J.M. and A.L. Gallant. 1986. Ecoregions of the Pacific Northwest. EPA/600/3-86-033. U.S. Environmental Protection Agency, Environmental Research Laboratory. Corvallis, Oregon. 39 pages plus map.
- Omernik, J.M. 1987. Ecoregions of the conterminous United States. Map. Annals of the Association of American Geographers 77(1): 118-125.
- Oregon Department of Environmental Quality (DEQ). 1995. Temperature. Final Issue Paper. 1992 1994. Water Quality Standards Review. Oregon Department of Environmental Quality, Standards and Assessment Section. Portland, Oregon 97204.
- Otrosina, W. and G. Ferrell. 1995. Primary Agents and Secondary Consequences of Disturbance in Forest Health Through Silviculture; Proceedings of the 1995 National Silviculture Workshop. General Technical Report RM-GTR-267. Rocky Mountain Research Station, U.S. Department of Agriculture, Forest Service.
- Perrin, C.J. 1976. On the Summer Regulation of Nitrogen and Phosphorus Transport in a Small Stream of Southwestern British Columbia. B.Sc. Thesis. University of British Columbia. 145 pages.
- Puettman, J.K., D.W. Hann, and D.E. Hibbs. 1993. Evaluation of the Size-density Relationships for Pure Alder and Douglas-fir Stands. Forest Science 37(2): 574-592.
- Ralph, S.C., G.C. Poole, L.L. Conquest, and R.J. Naiman. 1994. Stream Channel Morphology and Woody Debris in Logged and Unlogged Basins of Western Washington. Canadian Journal of Fisheries and Aquatic Science 51:37-51.
- Rand, G.M. and S.R. Petrocelli (editors). 1985. Fundamentals of Aquatic Toxicology: Methods and Applications. Hemisphere Publishing Corporation. Washington, D.C. 666 pages.
- Reiser, D.W. and T.C. Bjornn. 1979. Habitat Requirements of Anadromous Salmonids. USDA Forest Service General Technical Report PNW-96. 54 pages.
- Richardson, J.S. 1992. Coarse Particulate Detritus Dynamics in Small, Montane Streams of Southwestern British Columbia. Canadian Journal of Fish and Aquatic Sciences 49:337-346.
- Ruediger, B., J. Claar, S. Gniadek, B. Holt, L. Lewis, S. Mighton, B. Naney, G. Patton, T. Rinaldi, J. Trick, A. Vandehey, F. Wahl, N. Warren, D. Wenger, and A. Williamson. 2000. Canada Lynx Conservation Assessment and Strategy. USDA Forest Service, USDI Fish and Wildlife Service, USDI Bureau of Land Management, and USDI National Park Service. Missoula, Montana. 122 pages.



### Chapter 5 \_

- Ruggiero, L.F., K.B. Aubry, A.B. Carey, and M.H. Huff, Technical Coordinators. 1991. Wildlife and Vegetation of Unmanaged Douglas-fir Forests. USDA Forest Service General Technical Report PNW-GTR-285. 533 pages.
- Ryan, J.A. 1984. Data Analysis of the Lake Whatcom Fertilization Project. Forest Land Management Division Contribution No. 315, June. 5 pages plus tables and figures.
- Ryan, J.A. and Z. Donda. 1989. The Effects of Forest Fertilization on the Water Quality of Sund Creek. State of Washington State Department of Natural Resources, Forest Land Management Division. September. 15 pages plus appendix.
- Scientia Silvica. 1997. Plant Diversity in Old-Growth and Second-Growth Stands in the Coastal Rainforests of British Columbia. Extension Series, Number 3. Forest Sciences Department, The University of British Columbia. Available online: http://www.forestry.ubc.ca/klinka/sci\_sil/sci\_sil.htm. Accessed September 22, 2003.
- Schroeder, P. 1991. Can Intensive Management Increase Carbon Storage in Forests? Environmental Management. 15(4):475-481.
- Sedell, J.R., P.A. Bison, F.J. Swanson, and S.V. Gregory. 1988. What We Know About Large Trees that Fall into Streams and Rivers. *In:* C. Maser (editor). From the Forest to the Sea: A Story of Fallen Trees. Pages 47-81. General Technical Report PNW-GTR-229. USDA Forest Service, Pacific Northwest Research Station. Portland, Oregon.
- Shaw, S.C. and D.H. Johnson. 1995. Slope Morphology Model Derived from Digital Elevation Data *In:* Proceedings, 1995 Northwest ARC/INFO Users Conference, Cour d'Alene, Idaho. October 23–25, 1995.
- Shepard, J.P. 1994. Effects of Forest Management on Surface Water Quality in Wetland Forests. Wetlands 14: 18.
- Sidle, R.C., A.J. Pearce, and C.L. O'Loughlin. 1985. Hillslope Stability and Land Use. Water Resources Monograph 11. Washington, D.C., American Geophysical Union.
- Spence, B.C., G.A. Lomnicky, R.M. Hughes, and R.P. Novitizki. 1996. An Ecosystem Approach to Salmonid Conservation. Report Prepared by Management Technology. Sponsored by the National Marine Fisheries Service, U.S. Environmental Protection Agency, and the U.S. Fish and Wildlife Service. 356 pages.
- Spies, T.A. and Franklin, J.F. 1991. The Structure of Natural Young, Mature, and Old-Growth Douglas-Fir Forests in Oregon and Washington. *In:* Wildlife and Vegetation of Unmanaged Douglas Fir Forests General Technical Report PNW-GTR-285. Pacific Northwest Research Station, USDA Forest Service. May 1991. Also Available online at: http://www.fs.fed.us/pnw/pubs/gtr285 and Accessed October 5, 2003.

References Cited 5-10 Draft EIS



- Stoeckeler, J.H. 1967. Wetland Road Crossings: Drainage Problems and Timber Damage, USDA Forest Service, Research Note NC-27, 4 pages.
- Sullivan, K., J. Tooley, K. Doughty, J.E. Caldwell, and P. Knudsen. 1990. Evaluation of Prediction Models and Characterization of Stream Temperature Regimes in Washington. TFW-WQ-90-006. Olympia, Washington.
- Sullivan, K., T.E. Lisle, C.A. Dolloff, G.E. Grant, and L.M. Reid. 1987. Stream Channels: the Link Between Forests and Fishes. *In*: Salo, E.O and T.W. Cundy (eds), Pages 39-97. Streamside Management: Forestry and Fishery Interactions. University of Washington Institute of Forest Resources Contribution No. 57.
- Swanson, F.J., L.E. Benda, S.H. Duncan, G.E. Grant, W.F. Magahan, L.M. Reid, and R.R.
  Ziemer. 1987. Mass Failures and Other Processes of Sediment Production in
  Pacific Northwest Forest Landscapes. *In*: Salo, E.O. and T.W. Cundy (eds.), pages
  9-38. Streamside Management: Forestry and Fishery Interactions.
- Swanson, F.J. and G.W. Lienkamper. 1978. Physical Consequences of Large Organic Debris in Pacific Northwest Streams. USDA Forest Service.
- Swanson, F.J., G.W. Lienkaemper, and J.R. Sedell. 1976. History, Physical Effects, and Management Implications of Large Organic Debris in Western Oregon Streams. General Technical Report PNW-56. USDA Forest Service, Portland, Oregon.
- Thies, W. and R. Sturrock. 1995. Laminated Root Rot in Western North America. General Technical Report PNW-GTR-349. Pacific Northwest Research Station. Portland, Oregon. 32 pages.
- Thomas, J. W., M.G. Raphael, R.G. Anthony, E.D. Forsman, A.G. Gunderson, R.S. Holthausen, B.G. Marcot, G.H. Reeves, J.R. Sedell, and D.M. Solis. 1993. Viability Assessments and Management Considerations for Species Associated with Late-successional and Old-growth Forest of the Pacific Northwest. Research Report of the Scientific Analysis Team. U.S. Forest Service, Washington, D.C. 530 pages.
- Thysell, D.R. and A.B. Carey. 2000. Effects of Forest Management on Understory and Overstory Vegetation: A Retrospective Study. General Technical Report PNW-GTR-488. USDA Forest Service, Pacific Northwest Research Station, Portland, Oregon. 41 pages.
- U.S. Army Corps of Engineers Experimental Laboratory. 1987. Corps of Engineers Wetlands Delineation Manual, Technical Report Y-87-1, U.S. Army Engineer Waterway Experiment Station, Vicksburg, Mississippi.
- U.S. Department of Energy, Office of Fossil Energy. 2001. Carbon Sequestration Technology Roadmapping: Pathways to Sustainable Use of Fossil Energy. Prepared by the National Energy Technology Laboratory.

**Draft EIS** 5-11 **References Cited** 



## Chapter 5\_

- U.S. Fish and Wildlife Service (USFWS). 1997. Recovery Plan for the Threatened Marbled Murrelet (*Brachyramphus marmoratus*) in Washington, Oregon, and California. Portland, Oregon. 203 pages.
- USDA Forest Service. 2001. Forest Roads: A Synthesis of Scientific Information. Pacific Northwest Research Station. General Technical Report PNW-GTR-509.
- USDA Forest Service. 2002a. Multiple-Objective Thinning on the Olympic National Forest: An Overview. Available online at: http://www.fs.fed.us/r6/Olympic.
- USDA Forest Service. 2002b. Thinning Shock and Response to Fertilizer Less Than Expected in Young Douglas-Fir Stand at Wind River Experimental Forest. Pacific Northwest Research Station Research Paper PNW-RP-547.
- Verry, E.S. 1997. Hydrological Processes of Natural, Northern Forested Wetlands. *In*: Trettin C.C, Jurgensen, M.F., Grigal, D.F., Gale, M.R., Jeglum, J.K. 1997.
  Northern Forested Wetlands: Ecology and Management. CRC Press, Inc., Boca Raton, FL. Chap. 13.
- Washington State Department of Ecology. 2001. Air Lines May 2001. Newsletter of the Department of Ecology's Air Quality Program. Publication Number 01-02-002. Washington State Department of Ecology, Olympia. 4 pages. Available online at: http://www.ecy.wa.gov/pubs/0102002.pdf.
- Washington State Department of Ecology. 2003. 2000 2002 Air Quality Trends Report. Publication Number 03-02-008. Washington State Department of Ecology, Olympia, Washington, 80 pages. Available online at: http://www.ecy.wa.gov/pubs/0302008.pdf.
- Washington State Department of Fish and Wildlife (WDFW). 1996. Final Environmental Impact Statement for the Washington State Management Plan for Elk. Washington State Department of Fish and Wildlife, Wildlife Management Program, Olympia, Washington. December 1996.
- Washington State Department of Natural Resources (DNR). 1992a. Forest Resource Plan: Policy Plan, Final. (Extended in 2002). Washington State Department of Natural Resources, Forest Land Management Division. Olympia, Washington. 53 pages plus appendices.
- Washington State Department of Natural Resources (DNR). 1992b. Final Environmental Impact Statement for the Forest Resource Plan. Washington State Department of Natural Resources, Forest Land Management Division. Olympia, Washington. 230 pages, plus appendices.
- Washington State Department of Natural Resources (DNR). 1995. Unmapped Streams Project: Stream Mapping Survey Report. Forest Resources Division. Olympia, Washington.

References Cited 5-12 Draft EIS



- Washington State Department of Natural Resources (DNR). 1996. Draft Environmental Impact Statement. Habitat Conservation Plan. Washington State Department of Natural Resources. Olympia, Washington. 682 pages plus appendices.
- Washington State Department of Natural Resources (DNR). 1997. Final Habitat Conservation Plan. Washington State Department of Natural Resources. Olympia, Washington. 223 pages plus appendices.
- Washington State Department of Natural Resources (DNR). 1998. Annual Report 1998.
- Washington State Department of Natural Resources (DNR). 1999. Annual Report 1999.
- Washington State Department of Natural Resources (DNR). 2000. Annual Report for Fiscal Year 2000. July 1, 1999 June 30, 2000.
- Washington State Department of Natural Resources (DNR). 2001. Annual Report for Fiscal Year 2001. July 1, 2000 June 30, 2001.
- Washington State Department of Natural Resources (DNR). 2002a. Annual Report for Fiscal Year 2002. July 1, 2001 June 30, 2002.
- Washington State Department of Natural Resources (DNR). 2002b. Habitat Conservation Plan Implementation Monitoring Pilot Project, 2002 Report. Washington State Department of Natural Resources. Olympia, Washington.
- Washington State Department of Natural Resources (DNR). 2003. Washington Forest Health Issues in 2002, 2002 Survey Results. Department of Natural Resources. Available online at: http/www.dnr.wa.gov/htdocs/rp/forhealth/issues/2002issues/htm.
- Washington State Department of Natural Resources (DNR). Various Years. Timber Harvest Summary All Ownerships.
- Washington Forest Practices Board. 1995. Standard Methodology in Watershed Analysis Version 3.0. Washington Forest Practices Board, Olympia, Washington.
- Washington Forest Practices Board. 2001. Final Environmental Impact Statement on Alternatives for Forest Practices Rules. Olympia, Washington. 331 pages plus appendices.
- Washington State Attorney General Opinion 1996-11.
- Washington State Auditor, 2003. Local Government Reporting System. http://lgfrs.sao.wa.gov/lgfrs/
- Wisdom, M.J., L.R. Bright, C.G. Carey, W.W. Hines, R.J. Pedersen, D.A. Smithey, J.W. Thomas, and G.W. Witmer. 1986. A Model to Evaluate Elk Habitat in Western Oregon. Publication No. R6-F&WL-216-1986. USDA Forest Service, Pacific Northwest Region, Portland, Oregon. 36 pages.



## Chapter 5 \_

- Witmer, G.W. and D.S. deCalesta. 1985. Effect of Forest Roads on Habitat Use by Roosevelt Elk. Northwest Science 59(2): 122-125.
- Wydoski, R.S. and R.R. Whitney. 1979. Inland Fishes of Washington. University of Washington Press, Seattle, Washington, 220 pages.
- Zwieniecki, M.A. and M. Newton. 1999. Influence of Streamside Cover and Stream Features on Temperature Trends in Forested Streams of Western Oregon Western Journal of Applied Forestry 14(2): 106-113.

References Cited 5-14 Draft EIS